



Total Land Subsidence in the Elfrida Area, Cochise County
Based on Sentinel-1 Satellite Interferometric Synthetic Aperture Radar (InSAR) Data
Time Period of Analysis: 5.0 Years 02/24/2017 To 01/29/2022

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Explanation

02/24/2017 To 01/29/2022

Total Land Subsidence

Decorrelation/No Data

Greater 40 cm (15.7 in)
25 - 40 cm (9.8 - 15.7 in)
15 - 25 cm (5.9 - 9.8 in)
10 - 15 cm (3.9 - 5.9 in)
6 - 10 cm (2.4 - 3.9 in)
4 - 6 cm (1.6 - 2.4 in)
2 - 4 cm (0.8 - 1.6 in)
1 - 2 cm (0.4 - 0.8 in)
0 - 1 cm (0 - 0.4 in)

Subsidence Feature

Hardrock

Earth Fissures

Highways and Interstates

Interstate

US

State

Roads

Railway

1:200,000

0 1 2 4 6 8 Miles

Decorrelation (white areas) are areas where the phase of the received satellite signal changed between satellite passes, causing the data to be unusable. This occurs in areas where the land surface has been disturbed (i.e. bodies of water, snow, agriculture areas, areas of development, etc).

Earth fissures were mapped by the Arizona Geological Survey.
 For information on earth fissures visit: www.azgs.az.gov/EFC

Coordinate System: NAD 1983 UTM Zone 12N
 Projection: Transverse Mercator
 Datum: North American 1983
 Units: Meter
 Created: 6/7/2022

